

# L1 - Introduction

January 7, 2020

## 1 Introduction

Dr Mokhtar Beldjehem - ME4239, Friday 13:05-15:05

### 1.1 Administrivia

#### 1.1.1 PASS

Martin Klamrowski - martinklamrowski@cmail.carleton.ca

Monday, 6:30-7:00pm; Tuesday, 5:35-6:55 (TB219)

#### 1.1.2 CULearn

Lecture slides, exercises, announcements and assignments will be posted on CULearn only. Additional resources such as web links will also be posted there.

#### 1.1.3 Midterm

70 minutes. In class, on Thursday Feb 13.

#### 1.1.4 Assumed Knowledge

- understand imperative programming concepts and use this to learn new languages
- understand memory management in an executing program, and show pictorially
- understand different designs for simple abstract and linear collections such as lists, queues and stacks
- construct simple recursive functions

#### 1.1.5 Course Objectives

Developing and implementing programs as sets of collaborating objects.

#### 1.1.6 Major Concepts

- classes
- objects
- encapsulation
  - information hiding
- inheritance
  - polymorphism

- class and object diagrams
- application of OOP to simple graphic user interfaces

This is an advanced programming course on object oriented programming. Extra assignments may be given to practice advanced Java.

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